

ABSTRACT

The present inventors constructed a DNA expression vector encoding 2D7sc(Fv)2 in
5 which the heavy chain variable region sequence (VH) and the light chain variable region
sequence (VL) of the 2D7 antibody is arranged in the order of VH-VL-VH-VL, and these
sequences are linked by a 15-mer linker. The vector was introduced into CHO cells and a
2D7sc(Fv)2-producing expression cell line was established. When 2D7sc(Fv)2 was expressed
in this cell line, purified, and cell death-inducing experiments performed, 2D7sc(Fv)2 was found
10 to have a concentration-dependent cell death-inducing activity.